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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/621,645	07/24/2000	Robert E. Bridges	042021-5002	5432		
7:	590 05/30/2003					
Morgan Lewis & Bockius LLP 1800 M Street NW Washington, DC 20036			EXAM	EXAMINER		
			LEE, HWA S			
washington, 12	20030					
			ART UNIT	PAPER NUMBER		
		2877				
			DATE MAILED: 05/30/2003	DATE MAILED: 05/30/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

TECHNOLOGY CENTER 2800

					A			
Offic Acti n Summary		Applicati n N .		Applicant(s)	A/B			
		09/621,645		BRIDGES ET AL.				
		Examin r		Art Unit				
		Andrew H. Lee		2877				
The MAILING DATE of this communication app ars on the cover sheet with the correspondence address Period for R ply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status								
1)⊠	Responsive to communication(s) filed on 24.	<u>July 2000</u> .						
2a) <u></u> □	This action is FINAL. 2b)⊠ Th	nis action is non-f	inal.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
_	on of Claims	•						
	Claim(s) <u>1-42</u> is/are pending in the application							
4a) Of the above claim(s) is/are withdrawn from consideration.								
• —	5) Claim(s) is/are allowed.							
-	6)⊠ Claim(s) <u>1-32,34-37 and 39-42</u> is/are rejected.							
	,—							
	Claim(s) are subject to restriction and/o	or election require	ement.					
Application Papers								
9) The specification is objected to by the Examiner.								
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Applicant may not request that any objection to the drawing(s) be field in abeyance. See 37 CFR 1.05(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.								
If approved, corrected drawings are required in reply to this Office action.								
12) ☐ The oath or declaration is objected to by the Examiner.								
Priority under 35 U.S.C. §§ 119 and 120								
13)								
a) ☐ All b) ☐ Some * c) ☐ None of:								
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).								
* See the attached detailed Office action for a list of the certified copies not received.								
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).								
 a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. 								
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)								
2) Notice	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s) <u>4</u>	4) _ 5) _ 4.5. 6) _	Notice of Informal	y (PTO-413) Paper No(s Patent Application (PTO	·) · ·-152)			
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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-32, 34-37, and 39-42 are rejected under 35 U.S.C. 102(b) as being anticipated by Pettersen (WO 97/14015).

For claims 1,16-26, 30, 36, 37, and 40, Pettersen shows a system for point-by-point measuring of spatial coordinates comprising:

a stationary portion (1) having at least a first laser radiation source (32) and at least a first optical detector (38);

a rotatable portion (21-25) that is rotatable with respect to the stationary portion; at least a first optical fiber system or path (33, 36, 26, 22, 21), the emission end (22, 21) disposed on the rotatable portion, wherein an emission direction of the laser radiation is controlled according to the rotation of the rotatable portion;

a retroreflective target (4-8);

an optical coupler (28);

an orientation camera (38).

As for claim 4, three dimensions of position and three dimensions of orientation are determined.

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As for claim 5, a second arrangement is on element 3a.

As for claims 6-9 and 39, please see elements 21-28.

As for claim 10, please see retroreflector 6.

As for claim 11, 34, and 35, please see camera 39.

As for claims 12, 13, 28, and 29, please see actuators 23 and 25.

As for claims 14, 15, and 27please see optical fiber systems 30-33 and 36.

As for claim 31 and 32, please see lenses 35, 26.

Allowable Subject Matter

- 3. Claims 22 and 38 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- The following is a statement of reasons for the indication of allowable subject matter:

 The prior art of record fails to show or to suggest a laser based coordinate measuring device comprising of the elements as presently claimed wherein the orientation camera is disposed on the rotatable structure or wherein the locator camera includes a plurality of light sources disposed substantially circumferentially about a central point, and a detector disposed substantially at the central point.

Papers related to this application may be submitted to Technology Center (TC) 2800 by facsimile transmission. Papers should be faxed to TC 2800 via the PTO Fax Center located in CP4-4C23. The faxing of such papers must conform with the notice published in the Official

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Gazette, 1096 OG 30 (November 15, 1989). The CP4 Fax Center numbers are 703-872-9318 for regular communications and 703-872-9319 for After Final communications

If the Applicant wishes to send a Fax dealing with either a Proposed Amendment or for discussion for a phone interview then the fax should:

- a) Contain either the statement "DRAFT" or "PROPOSED AMENDMENT" on the Fax Cover Sheet; and
 - b) Should be unsigned by the attorney or agent.

This will ensure that it will not be entered into the case and will be forwarded to the examiner as quickly as possible.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Hwa Lee whose telephone number is (703) 305-0538.

The examiner can normally be reached on M-Th. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frank Font can be reached on 703-308-4881.

Andrew Lee Patent Examiner Art Unit 2877 May 23, 2003/ahl Frank Font
Supervisory Patent Examiner

Art Unit 2877

AD. SM